[redacted]

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=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE LAST UPDATED: 14 Jan 2008 (20080114/ED)

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=>
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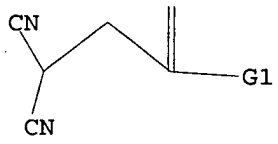
L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

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SAMPLE SEARCH INITIATED 15:48:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       63 TO ITERATE

100.0% PROCESSED       63 ITERATIONS                          13 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          784 TO     1736
PROJECTED ANSWERS:              44 TO      476

L2            13 SEA SSS SAM L1


L3           10 L2

=> d 1-10 ibib abs hitstr

L3   ANSWER 1 OF 10  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:203802  CAPLUS
DOCUMENT NUMBER:          140:235428
TITLE:                    Preparation of malononitrile compound and use thereof
                          as pesticides
INVENTOR(S):              Okada, Satoshi; Oohira, Daisuke; Otaka, Ken
PATENT ASSIGNEE(S):       Sumitomo Chemical Company, Limited, Japan
SOURCE:                   PCT Int. Appl., 104 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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     WO 2004020399         A1    20040311    WO 2003-JP10726          20030826
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003256083         A1    20040319    AU 2003-256083           20030826
     BR 2003013964         A     20050719    BR 2003-13964            20030826
     CN 1678571            A     20051005    CN 2003-820424           20030826
     JP 2004143148         A     20040520    JP 2003-208994           20030827
     US 2006004092         A1    20060105    US 2005-522764           20050201
PRIORITY APPLN. INFO.:                       JP 2002-250355       A   20020829
                                             WO 2003-JP10726      W   20030826
OTHER SOURCE(S):          MARPAT 140:235428
GI
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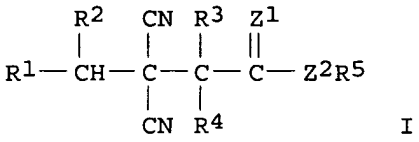


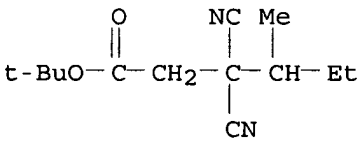
I

AB The present invention relates to a novel malononitrile compound represented by the formula (I): wherein, R1 represents C1 to C6 alkyl that may be substituted with halogen, C2 to C6 alkenyl that may be substituted with halogen, etc; R2 represents hydrogen atom or C1 to C6 alkyl that may be substituted with halogen; R3 represents hydrogen atom or C1 to C6 alkyl; R4 represents hydrogen atom or C1 to C6 alkyl; R5 represents C1 to C6 alkyl that may be substituted with halogen, C3 to C6 alkenyl that may be substituted with halogen, etc , or R4 and R5 may be combined at their terminal and represent ethylene that may be substituted with C1 to C3 alkyl or trimethylene that may be substituted with C1 to C3 alkyl; and Z1 and Z2, which are the same or different, represent oxygen atom or sulfur atom. Thus, 2-(tert-butoxycarbonylmethyl)-2-allylmalononitrile was prepared by reacting 2-allylmalonitrile with tert-Bu bromoacetate in DMF in the presence of sodium hydride. The malononitrile compound has an efficient pesticidal activity and can control effectively pests such as insect pests, acarine pests, nematode pests and the like.

IT 666738-88-1P, 2-(tert-Butoxycarbonylmethyl)-2-(1-methylpropyl)malononitrile 666738-93-8P, 2-(tert-Butoxycarbonylmethyl)-2-propylmalononitrile 666738-94-9P, 2-[1-(Ethoxycarbonyl)ethyl]-2-butylmalononitrile 666738-97-2P 666739-14-6P, 2-[(3-Methyl-3-methoxybutoxy)carbonylmethyl]-2-(3,3,3-trifluoropropyl)malononitrile
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(production of malononitriles as pesticides)

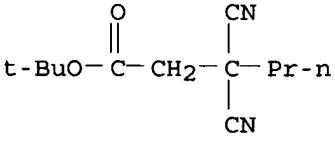
RN 666738-88-1 CAPLUS

CN Hexanoic acid, 3,3-dicyano-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



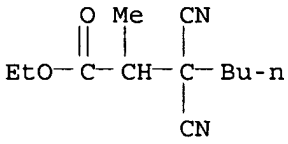
RN 666738-93-8 CAPLUS

CN Hexanoic acid, 3,3-dicyano-, 1,1-dimethylethyl ester (CA INDEX NAME)

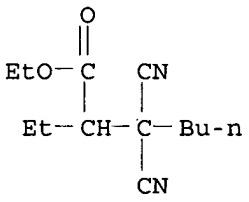


RN 666738-94-9 CAPLUS

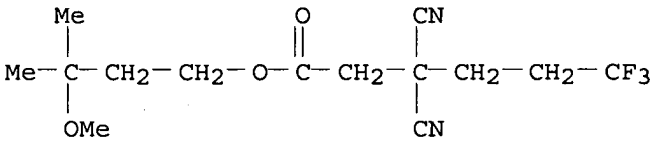
CN Heptanoic acid, 3,3-dicyano-2-methyl-, ethyl ester (CA INDEX NAME)



RN 666738-97-2 CAPLUS
CN Heptanoic acid, 3,3-dicyano-2-ethyl-, ethyl ester (CA INDEX NAME)



RN 666739-14-6 CAPLUS
CN Hexanoic acid, 3,3-dicyano-6,6,6-trifluoro-, 3-methoxy-3-methylbutyl ester (CA INDEX NAME)



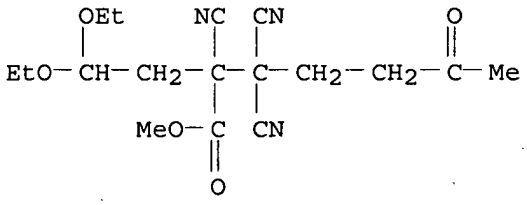
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:141061 CAPLUS
DOCUMENT NUMBER: 132:278722
TITLE: Spontaneous addition of active methine compounds to enol ethers and α,β-unsaturated ketones in aprotic polar solvent
AUTHOR(S): Yokozawa, Tsutomu; Oishi, Motoi; Tanaka, Yasukazu
CORPORATE SOURCE: Department of Applied Chemistry, Kanagawa University, Kanagawa-ku Yokohama, 221-8686, Japan
SOURCE: Journal of Organic Chemistry (2000), 65(6), 1895-1897
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 132:278722
AB Addition of (EtO)2CHCH2CXYCH(CN)2 (I, X = Y = cyano; X = cyano, Y = CO2Me; X = Y = CO2Me) to enol ethers and α,β-unsatd. ketones in DMF at room temp is reported. Thus, reacting I (X = Y = cyano) with H2C:CHOEt gave (EtO)2CHCH2C(CN)2CH(OEt)Me in 63% yield. This reaction illustrates that the electron-withdrawing groups at the β-positions of the active methine group having the ones at the α and β positions were

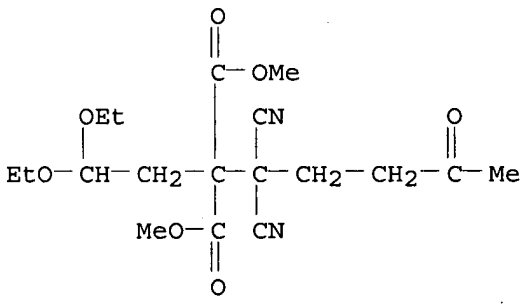
strongly affected on the acidity of I.

IT 264142-40-7P 264142-41-8P 264142-43-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(addition of methine compds. to enol ethers and α,β-unsatd. ketones)

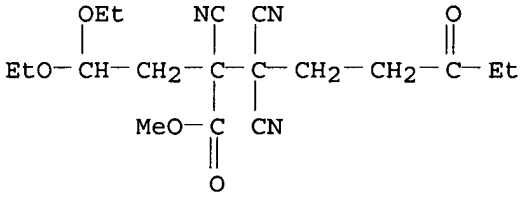
RN 264142-40-7 CAPLUS
CN Heptanoic acid, 2,3,3-tricyano-2-(2,2-diethoxyethyl)-6-oxo-, methyl ester (CA INDEX NAME)



RN 264142-41-8 CAPLUS
CN Propanedioic acid, (1,1-dicyano-4-oxopentyl)(2,2-diethoxyethyl)-, dimethyl ester (9CI) (CA INDEX NAME)



RN 264142-43-0 CAPLUS
CN Octanoic acid, 2,3,3-tricyano-2-(2,2-diethoxyethyl)-6-oxo-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:142376 CAPLUS
DOCUMENT NUMBER: 130:239567
TITLE: Diazaspirononanium salt for use as template for zeolite synthesis

INVENTOR(S): Kubota, Yoshihiro; Sugi, Yoshihiro
PATENT ASSIGNEE(S): Showa Denko K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

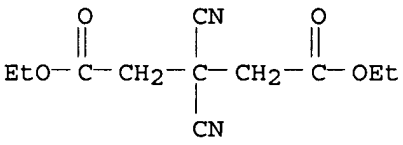
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11060577	A	19990302	JP 1997-220414	19970815

PRIORITY APPLN. INFO.: JP 1997-220414 19970815
OTHER SOURCE(S): MARPAT 130:239567

AB Claimed template is a salt of substituted 2,7-diazaspiro[4,4]nonanium. Hydrothermal synthesis of a zeolite by bringing a silica source and/or an alumina source into contact with the zeolite is also claimed. ZSM-12 zeolites having crystal size of a major axis ≥50 μm are also claimed.

IT 77415-69-1P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(reaction of; diazaspirononanium salts as templates for manufacture of ZSM-12 zeolites having large crystal size)

RN 77415-69-1 CAPLUS
CN Pentanedioic acid, 3,3-dicyano-, diethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:900662 CAPLUS
DOCUMENT NUMBER: 124:116317
TITLE: Lanthanum isopropoxide catalyzed addition of activated nucleophiles to imines
AUTHOR(S): Yamamoto, Yoshinori; Fukui, Hiroyuki; Honda, Yoshihiro
CORPORATE SOURCE: Dept. Chem., Tohoku Univ., Sendai, 980-77, Japan
SOURCE: Applied Organometallic Chemistry (1995), 9(5 & 6), 467-71
CODEN: AOCHEX; ISSN: 0268-2605
PUBLISHER: Wiley
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 124:116317

AB The addition of certain activated nucleophiles to activated imines is catalyzed by lanthanum isopropoxide. As activated nucleophiles, methylmaloninitrile and Me 2-cyanopropanoate can be utilized. Imines having an electron-withdrawing group either at the carbon or at the nitrogen atom of the C:N double bond can be used: for example N-toluenesulfonylimines, N-(4-methoxycarbonylphenyl)imines and α-imino esters.

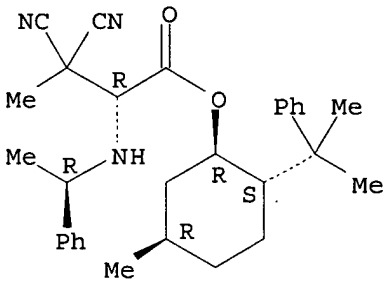
IT 173006-25-2P
RL: SPN (Synthetic preparation); PREP (Preparation)

(lanthanum isopropoxide catalyzed addition of activated nucleophiles to imines)

RN 173006-25-2 CAPLUS

CN Butanoic acid, 3,3-dicyano-2-[(1-phenylethyl)amino]-, 5-methyl-2-(1-methyl-1-phenylethyl)cyclohexyl ester, [1R-[1α[R*(R*)],2β,5α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:83465 CAPLUS

DOCUMENT NUMBER: 116:83465

TITLE: The regioselectivity of the ring opening of 1-activated or nonactivated 2-alkoxycarbonyl or 2-cyanoaziridines by carbanions of the dicarbonyl compounds

AUTHOR(S): Bouayad, Zoheir; Chanet-Ray, Josette; Ducher, S.; Vessiere, Roger

CORPORATE SOURCE: Ec. Natl. Super. Chim. Clermont-Ferrand, Univ. Blaise Pascal, Aubiere, 63177, Fr.

SOURCE: Journal of Heterocyclic Chemistry (1991), 28(7), 1757-67
CODEN: JHTCAD; ISSN: 0022-152X

DOCUMENT TYPE: Journal

LANGUAGE: English

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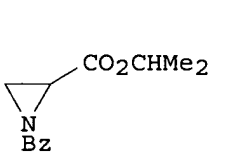
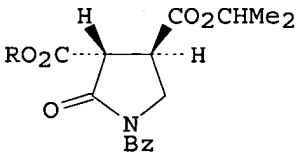


I

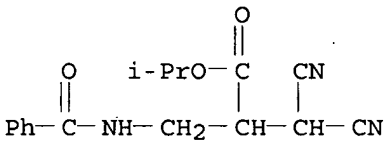


II

AB Aziridines, e.g. I, reacted with carbanions of dicarbonyl compds., e.g. RO2CCH2CO2R (R = Me, Et, CHMe2), to give ring opened products and/or ring enlarged products, e.g. (RO2C)2CHCH2CH(NHBz)CO2CHMe2, (RO2C)2CHCH(CO2CHMe2)CH2NHBz, and pyrrole II. The regioselectivity depends on several factors. The Ph group on C-3 favors C-3-N bond cleavage, whereas C-2-N bond cleavage is predominant with C-3 substituted or C-2-H aziridines. Cyanoaziridines are predominantly cleaved at C-3-N.

IT 138478-35-0P
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)
RN 138478-35-0 CAPLUS
CN Propanoic acid, 2-[(benzoylamino)methyl]-3,3-dicyano-, 1-methylethyl ester (CA INDEX NAME)



L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1990:497432 CAPLUS
DOCUMENT NUMBER: 113:97432
TITLE: Quinolone antibacterial agents substituted at the 7-position with spiroamines. Synthesis and structure-activity relationships
AUTHOR(S): Culbertson, Townley P.; Sanchez, Joseph P.; Gambino, Laura; Sesnie, Josephine A.
CORPORATE SOURCE: Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SOURCE: Journal of Medicinal Chemistry (1990), 33(8), 2270-5
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:97432
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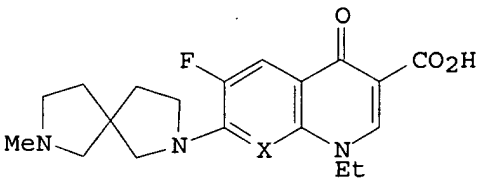

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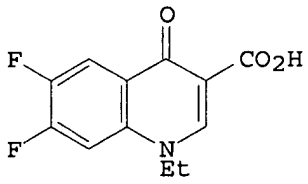
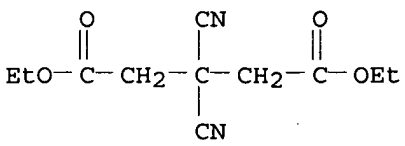


II

AB Fluoroquinolone antibacterials having the 7-position (10-position of pyridobenzoxazines) substituted with 2,7-diazaspiro[4.4]nonane, 1,7-diazaspiro[4.4]nonane, or 2,8-diazaspiro[5.5]undecane (e.g. I (X = CF, CH, N) were prepared and their biol. activities were compared with piperazine and pyrrolidine substituted analogs. Most exhibited potent Gram-pos. and Gram-neg. activity, especially when side chain was N-alkylated. Thus, the quinolinecarboxylic acid II was treated with 2-methyl-2,7-diazaspiro[4.4]nonane to give I (X = CH).
IT 77415-69-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reductive cyclization of)
RN 77415-69-1 CAPLUS
CN Pentanedioic acid, 3,3-dicyano-, diethyl ester (9CI) (CA INDEX NAME)

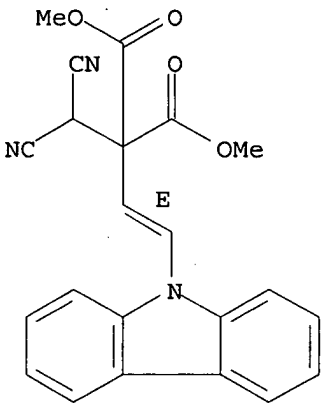


L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1986:496793 CAPLUS
DOCUMENT NUMBER: 105:96793
ORIGINAL REFERENCE NO.: 105:15633a,15636a
TITLE: Zwitterionic tetramethylenes as the common intermediates in the cycloaddition and polymerization reactions of N-vinylcarbazole with electrophilic tetrasubstituted ethylenes: a new explanation for charge-transfer initiation
AUTHOR(S): Gotoh, Tetsuya; Padias, Anne Buyle; Hall, H. K., Jr.
CORPORATE SOURCE: Chem. Dep., Univ. Arizona, Tucson, AZ, 85721, USA
SOURCE: Journal of the American Chemical Society (1986), 108(16), 4920-31
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 105:96793

AB The reactions of N-vinylcarbazole (I) with electrophilic tetrasubstituted ethylenes were examples of reactions whose outcomes are manipulated by changes in concentration, structure, and working procedure to form either small mols. (cyclobutanes, 1-butenes) or poly(vinylcarbazole). Equivalent concns. and evaporative workup (organic chemists' conditions) lead to small mols.; a large excess of I and precipitative workup give polymer. The mechanism involves gauche and trans zwitterionic tetramethylenes as intermediates. The former gives cyclobutane reversibly. The latter gives 1-butenes intramol. or adds monomers to form cyclohexanes or eventually polymer. The organic chemical and polymer chemical are unified on this basis. Extensive stereochem. and kinetic support for these propositions is given. Two other proposed mechanisms for these charge-transfer initiations are excluded.

IT 96735-90-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 96735-90-9 CAPLUS
CN Propanedioic acid, [2-(9H-carbazol-9-yl)ethenyl](dicyanomethyl)-, dimethyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

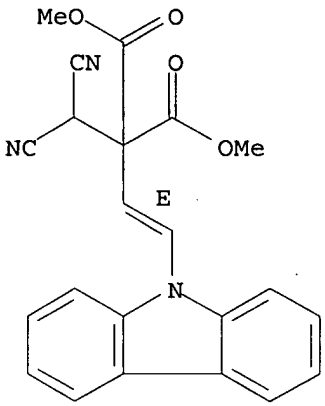


L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1985:406747 CAPLUS
DOCUMENT NUMBER: 103:6747
ORIGINAL REFERENCE NO.: 103:1225a,1228a
TITLE: Zwitterionic tetramethylene intermediates: a new interpretation for "charge-transfer" initiation
AUTHOR(S): Hall, H. K., Jr.; Gotoh, T.
CORPORATE SOURCE: Dep. Chem., Univ. Arizona, Tucson, AZ, 85721, USA
SOURCE: Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1985), 26(1), 34-5
CODEN: ACPPAY; ISSN: 0032-3934
DOCUMENT TYPE: Journal
LANGUAGE: English

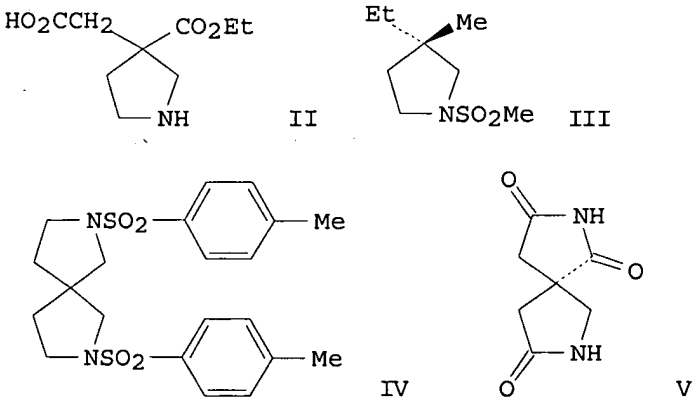
AB Investigation of the initiation mechanism in polymerization of N-vinylcarbazole (I) [1484-13-5] in the presence of tetracyanoethylene [670-54-2] or di-Me 2,2-dicyanoethylene-1,1-dicarboxylate [82849-49-8] showed that neither the I-cyano compound charge transfer complexes nor the ion-radical pairs formed from them initiated polymerization The initiating species was the gauche or trans tetramethylene zwitterion formed as an intermediate from the charge-transfer complex. This finding indicated that cyclobutanes initiated vinyl polymerization The mechanism and the kinetics of the zwitterionic initiation were discussed.

IT 96735-90-9
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for vinylcarbazole polymerization)
RN 96735-90-9 CAPLUS
CN Propanedioic acid, [2-(9H-carbazol-9-yl)ethenyl](dicyanomethyl)-, dimethyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1981:442180 CAPLUS
DOCUMENT NUMBER: 95:42180
ORIGINAL REFERENCE NO.: 95:7221a,7224a
TITLE: Absolute configuration of 2,7-diazaspiro[4,4]nonane. A reassignment
AUTHOR(S): Overberger, C. G.; Wang, David Wei; Hill, Richard K.; Krow, Grant R.; Ladner, David W.
CORPORATE SOURCE: Macromol. Res. Cent., Univ. Michigan, Ann Arbor, MI, 48109, USA
SOURCE: Journal of Organic Chemistry (1981), 46(13), 2757-64
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 95:42180
GI



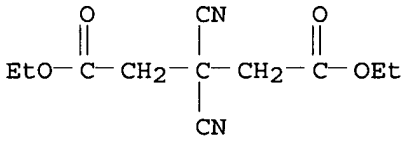
AB The absolute configuration of the axially dissym. spirane 2,7-diazaspiro[4,4]nonane (I), was elucidated as (R)-(-),(S)-(+) in CHCl3 by synthesis of both enantiomers from the centrodissym. intermediate II; the configuration of (R)-(-)-II was correlated with that of (S)-HO2CCMeEtCH2CO2H through the substituted pyrrolidine III. The configuration thus established for the sulfonamide derivative IV is opposite to that derived earlier (Krow, G. and Hill, R. K., 1968). The source of

the original error lies in the preparation of spiroimide V, which is accompanied by almost total racemization when carried out at high temps. A more direct, efficient synthesis of I is described, followed by resolution with dinitrodiphenic acid to give the optically pure enantiomers. Lowe's rule predicts correctly the absolute configurations of several I derivs. but not that of I itself.

IT 77415-69-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and diazaspirononane derivative from)

RN 77415-69-1 CAPLUS

CN Pentanedioic acid, 3,3-dicyano-, diethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1978:50444 CAPLUS

DOCUMENT NUMBER: 88:50444

ORIGINAL REFERENCE NO.: 88:7949a,7952a

TITLE: The chemistry of 2-oxopropanedinitrile (carbonyl cyanide); XIX. The ene synthesis using 2-oxopropanedinitrile and 1,3-dicarbonyl compounds

AUTHOR(S): Kociolek, K.; Leplawy, M. T.

CORPORATE SOURCE: Inst. Org. Chem., Tech. Univ. Lodz, Lodz, Pol.

SOURCE: Synthesis (1977), (11), 778-80
CODEN: SYNTBF; ISSN: 0039-7881

DOCUMENT TYPE: Journal

LANGUAGE: English

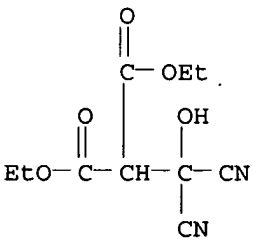
OTHER SOURCE(S): CASREACT 88:50444

AB Reaction of CO(CN)2 with RCOCH2COR1 (I; R = R1 = Ph, 2,4,6-Cl3C6H2, Me; R = Me, F3C, R1 = Ph) in ether at 0° was complete in 1 h and gave RCOCH(COR1)C(CN)2OH (II; R and R1 as before) in 100% yield. Reaction of CO(CN)2 with I (R = R1 = OEt) at room temperature required 20 days and gave II in 43-66% yield.

IT 65305-78-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with aniline)

RN 65305-78-4 CAPLUS

CN Propanedioic acid, (dicyanohydroxymethyl)-, diethyl ester (9CI) (CA INDEX NAME)



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Search Results -

Terms	Documents
L2 AND L3	10

Database:
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US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Tuesday, January 15, 2008 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L4	L2 AND L3	10	L4
L3	malononitril$9.TI.	331	L3
L2	L1 AND (514/$ OR 558/$)	51	L2
L1	malononitril$9 and pesticid$9	168	L1

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20070117854 A1

L4: Entry 1 of 10 File: PGPB May 24, 2007

PGPUB-DOCUMENT-NUMBER: 20070117854
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070117854 A1

TITLE: Malononitrile compounds and use thereof

PUBLICATION-DATE: May 24, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mitsudera; Hiromasa	Toyonaka-shi		JP

US-CL-CURRENT: 514/383; 548/267.4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 2. Document ID: US 20060004092 A1

L4: Entry 2 of 10 File: PGPB Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060004092
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060004092 A1

TITLE: Malononitrile compound and use thereof pesticides

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Okada; Satoshi	Takarazuka-shi		JP
Oohra; Daisuke	Toyonaka-shi		JP
Otaka; Ken	Iwaki-shi		JP

US-CL-CURRENT: 514/521; 558/441

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

3. Document ID: US 20050209323 A1

L4: Entry 3 of 10 File: PGPB Sep 22, 2005

PGPUB-DOCUMENT-NUMBER: 20050209323
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050209323 A1

TITLE: Malononitrile compounds and their use as pesticides

PUBLICATION-DATE: September 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otaka, Ken	Osaka		JP
Oohira, Daisuke	Osaka		JP
Okada, Satoshi	Takarazuka-shi		JP

US-CL-CURRENT: 514/520; 558/388

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

4. Document ID: US 20050176784 A1

L4: Entry 4 of 10 File: PGPB Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050176784
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050176784 A1

TITLE: Malononitrile compounds and their use as pesticides

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otaka, Ken	Iwaki-shi		JP
Oohira, Daisuke	Toyonaka-shi		JP
Takaoka, Daisuke	Toyonaka-shi		JP

US-CL-CURRENT: 514/357; 546/320

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

5. Document ID: US 20040143007 A1

L4: Entry 5 of 10 File: PGPB Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143007
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040143007 A1

TITLE: Malononitrile compounds and their use as pesticides

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otaka, Ken	Toyonaka-shi		JP
Oohira, Daisuke	Minoo-shi		JP
Suzuki, Masaya	Nishitokyo-shi		JP

US-CL-CURRENT: 514/520; 558/409

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 6. Document ID: US 20040138065 A1

L4: Entry 6 of 10 File: PGPB Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040138065
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040138065 A1

TITLE: Malononitrile compounds and their use as pesticides

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otaka, Ken	Osaka		JP
Oohira, Daisuke	Osaka		JP
Okada, Satoshi	Hyogo		JP

US-CL-CURRENT: 504/309; 558/388

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 7. Document ID: US 7026340 B2

L4: Entry 7 of 10 File: USPT Apr 11, 2006

US-PAT-NO: 7026340
DOCUMENT-IDENTIFIER: US 7026340 B2

TITLE: Malononitrile compounds and their use as pesticides

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050176784 A1	August 11, 2005

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 8. Document ID: US 7011838 B2

L4: Entry 8 of 10 File: USPT Mar 14, 2006

US-PAT-NO: 7011838
DOCUMENT-IDENTIFIER: US 7011838 B2

TITLE: Malononitrile compounds and their use as pesticides

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040138065 A1	July 15, 2004

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 9. Document ID: US 6353126 B1

L4: Entry 9 of 10 File: USPT Mar 5, 2002

US-PAT-NO: 6353126
DOCUMENT-IDENTIFIER: US 6353126 B1

TITLE: Process for the production of malononitrile

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 10. Document ID: US 6297393 B1

L4: Entry 10 of 10 File: USPT Oct 2, 2001

US-PAT-NO: 6297393
DOCUMENT-IDENTIFIER: US 6297393 B1

TITLE: Process for the preparation of malononitrile

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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